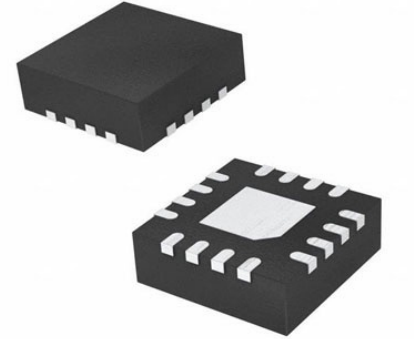


RF Switch SP4T 0MHz to 8GHz 40dB 16Pin VQFN EP T/R

Manufacturers	Analog Devices, Inc
Package/Case	16-VFQFN
Product Type	RF Switches ; SPST, SPDT, SP3T, SP4T, SP5T, SP6T, SP8T
RoHS	Green
Lifecycle	



Images are for reference only

Please submit RFQ for HMC344ALP3E or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The HMC344ALP3E is a broadband, nonreflective, single-pole, four-throw (SP4T) switch manufactured using a gallium arsenide (GaAs) metal semiconductor field effect transistor (MESFET) process. This switch offers high isolation, low insertion loss, and on-chip termination of the isolated ports.

The switch operates with a negative supply voltage (VEE) range of -5 V to -3 V and requires two negative logic control voltages.

The HMC344ALP3E includes an on-chip, binary two-line to four-line decoder that provides logic control from two logic input lines.

The HMC344ALP3E comes in a $3\text{ mm} \times 3\text{ mm}$, 16-lead LFCSP package and operates from a 0.1 GHz to 8 GHz frequency range.

Features

Broadband frequency range: 0.1 GHz to 8 GHz

Nonreflective 50 Ω design

Low insertion loss: 1.7 dB at 6 GHz

High isolation: 36 dB at 6 GHz

High input linearity at 250 MHz to 8 GHz

P1dB: 28 dBm typical

IP3: 44 dBm typical

Integrated 2 to 4 line decoder

16-lead, 3 mm \times 3 mm LFCSP package

ESD HBM rating: 250 V (Class 1A)

HMC344A supports defense and aerospace applications (AQEC standard)

Download the

Military temperature range (-55°C to $+125^{\circ}\text{C}$)

Controlled manufacturing baseline

One assembly/test site

Product change notification

Qualification data available on request

Application

Broadband telecommunications systems

Fiber optics

Switched filter banks

Wireless Infrastructure below 8 GHz

Related Products



[HMC3653LP3BE](#)

Analog Devices, Inc
QFN-12



[HMC253AQS24](#)

Analog Devices, Inc
24-SSOP (0.154, 3.90mm Width)



[HMC358MS8GE](#)

Analog Devices, Inc
MSOP-8



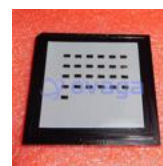
[HMC441LP3E](#)

Analog Devices, Inc
QFN-16



[HMC948LP3E](#)

Analog Devices, Inc
LP3



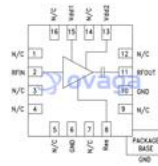
[HMC490](#)

Analog Devices, Inc
SMD



HMC453ST89E

Analog Devices, Inc
ST89E



HMC618ALP3E

Analog Devices, Inc
QFN-16